

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A semiconductor device comprising:
a transistor;
a current supply means electrically connected to the transistor; and
a precharge circuit comprising a first terminal electrically connected to the transistor and
a second terminal[[:]],
wherein the precharge circuit supplies a charge to the transistor according to a
comparison between a potential of the first terminal and a potential of the second terminal.
2. (Currently Amended) A semiconductor device according to Claim 1, wherein the
precharge circuit ~~comprises~~comprising:
a comparison control circuit for the comparison between the potential of the first wiring
and the potential of the second wiring; and
a switch controlled by the comparison control circuit[[:]].
3. (Original) A semiconductor device according to Claim 2, wherein the comparison
control circuit comprises an operational amplifier.
4. (Currently Amended) A semiconductor device according to Claim 2, wherein the
comparison control circuit comprises a chopper inverter comparator-transistor.
5. (Original) An electronic apparatus having the semiconductor device according to
Claim 1, wherein the electronic apparatus is selected from the group consisting of a light

emitting device, a digital still camera, laptop personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera and a portable phone.

6. (Currently Amended) A semiconductor device comprising:
a transistor;
a current source electrically connected to the transistor;
a charge supply means; and
a precharge circuit configured to supply a charge to the transistor, the precharge circuit
comprising:
a comparison control circuit having a first terminal electrically connected to the
transistor, a second terminal and third terminal; and
a switch electrically connected the third terminal[[:]],
wherein the charge supply means is electrically connected to the transistor.

7. (Original) A semiconductor device according to Claim 6, wherein the charge supply means is a current source.

8. (Original) A semiconductor device according to Claim 6, wherein the charge supply means is a power source.

9. (Original) The semiconductor device according to Claim 6, wherein the comparison control circuit comprises an operational amplifier.

10. (Currently Amended) The semiconductor device according to Claim 6, wherein the comparison control circuit comprises a chopper inverter comparator-transistor.

11. (Original) An electronic apparatus having the semiconductor device according to Claim 6, wherein the electronic apparatus is selected from the group consisting of a light

emitting device, a digital still camera, laptop personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera and a portable phone.

12. (Currently Amended) A semiconductor device comprising:
a transistor comprising a source electrode, a drain electrode and a gate electrode;
a current source electrically connected to the transistor;
a charge supply means; and
a precharge circuit configured to supply a charge to the transistor, the precharge circuit
comprising:
a comparison control circuit having a first terminal electrically connected to the
transistor, a second terminal and third terminal; and
a switch electrically connected the third terminal[[:]],
wherein the gate electrode is electrically connected to any one of the source electrode and
the drain electrode, and
wherein the charge supply means is electrically connected to any one of the source
electrode and the drain electrode.

13. (Original) A semiconductor device according to Claim 12, wherein the charge supply means is a current source.

14. (Original) A semiconductor device according to Claim 12, wherein the charge supply means is a power source.

15. (Original) The semiconductor device according to Claim 12, wherein the comparison control circuit comprises an operational amplifier.

16. (Currently Amended) The semiconductor device according to Claim 12, wherein the comparison control circuit comprises a chopper inverter comparator-transistor.

17. (Original) An electronic apparatus having the semiconductor device according to Claim 12, wherein the electronic apparatus is selected from the group consisting of a light emitting device, a digital still camera, laptop personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera and a portable phone.

18. (Currently Amended) A display device comprising:
a pixel;
a transistor;
a current supply means electrically connected to the transistor; and
a precharge circuit comprising a first terminal electrically connected to the transistor and a second terminal[[:]],
wherein the precharge circuit supplies a charge to the transistor according to a comparison between a potential of the first terminal and a potential of the second terminal, and
wherein the transistor supplies a current to the pixel.

19. (Original) A display device according to Claim 18,
wherein the pixel has a light emitting element, and
wherein the transistor supplies a current to the light emitting element.

20. (Currently Amended) A display device according to Claim 18, wherein the precharge circuit ~~comprises~~comprising:
a comparison control circuit for the comparison between the potential of the first wiring and the potential of the second wiring; and
a switch controlled by the comparison control circuit[[:]].

21. (Original) A display device according to Claim 20, wherein the comparison control circuit comprises an operational amplifier.

22. (Currently Amended) A display device according to Claim 20, wherein the comparison control circuit comprises a chopper inverter ~~comparator-transistor~~.

23. (Original) An electronic apparatus having the display device according to Claim 18, wherein the electronic apparatus is selected from the group consisting of a light emitting device, a digital still camera, laptop personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera and a portable phone.

24. (Currently Amended) A display device comprising:
a pixel;
a transistor electrically connected to the pixel;
a current source electrically connected to the transistor;
a charge supply means; and
a precharge circuit configured to supply a charge to the transistor, the precharge circuit
comprising:
a comparison control circuit having a first terminal electrically connected to the transistor, a second terminal and third terminal; and
a switch electrically connected the third terminal[;]],
wherein the charge supply means is electrically connected to the transistor.

25. (Original) A display device according to Claim 24,
wherein the pixel has a light emitting element, and
wherein the transistor is electrically connected to the light emitting element.

26. (Original) A display device according to Claim 24, wherein the charge supply means is a current source.

27. (Original) A display device according to Claim 24, wherein the charge supply means is a power source.

28. (Original) The display device according to Claim 24, wherein the comparison control circuit comprises an operational amplifier.

29. (Currently Amended) The display device according to Claim 24, wherein the comparison control circuit comprises a chopper inverter ~~comparator-transistor~~.

30. (Original) An electronic apparatus having the display device according to Claim 24, wherein the electronic apparatus is selected from the group consisting of a light emitting device, a digital still camera, laptop personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera and a portable phone.

31. (Currently Amended) A display device comprising:

- a pixel;
- a transistor comprising a source electrode, a drain electrode and a gate electrode;
- a current source electrically connected to the transistor;
- a charge supply means; and
- a precharge circuit configured to supply a charge to the transistor, the precharge circuit comprising:
 - a comparison control circuit having a first terminal electrically connected to the transistor, a second terminal and third terminal; and
 - a switch electrically connected the third terminal[;]],wherein the gate electrode is electrically connected to any one of the source electrode and the drain electrode,
- wherein the charge supply means is electrically connected to any one of the source electrode and the drain electrode, and
- wherein the pixel is electrically connected to any one of the source electrode and the drain electrode.

32. (Original) A display device according to Claim 31, wherein the charge supply means is a current source.

33. (Original) A display device according to Claim 31, wherein the charge supply means is a power source.

34. (Original) The display device according to Claim 31, wherein the comparison control circuit comprises an operational amplifier.

35. (Currently Amended) The display device according to Claim 31, wherein the comparison control circuit comprises a chopper inverter comparator ~~transistor~~.

36. (Original) An electronic apparatus having the display device according to Claim 31, wherein the electronic apparatus is selected from the group consisting of a light emitting device, a digital still camera, laptop personal computer, a mobile computer, a portable image reproducing device, a goggle type display, a video camera and a portable phone.